

**CA Regional Water Quality Control Board
San Diego Region**

SD Bay Sediment TMDLs Work Group:

**Overview of 303(d) Listing Basis
for the Mouths of Chollas Creek,
Paleta Creek, and Switzer Creek
in San Diego Bay**

October 11, 2005

San Diego Bay

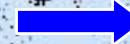
Mouth of
Switzer Creek



Mouth of Chollas
Creek



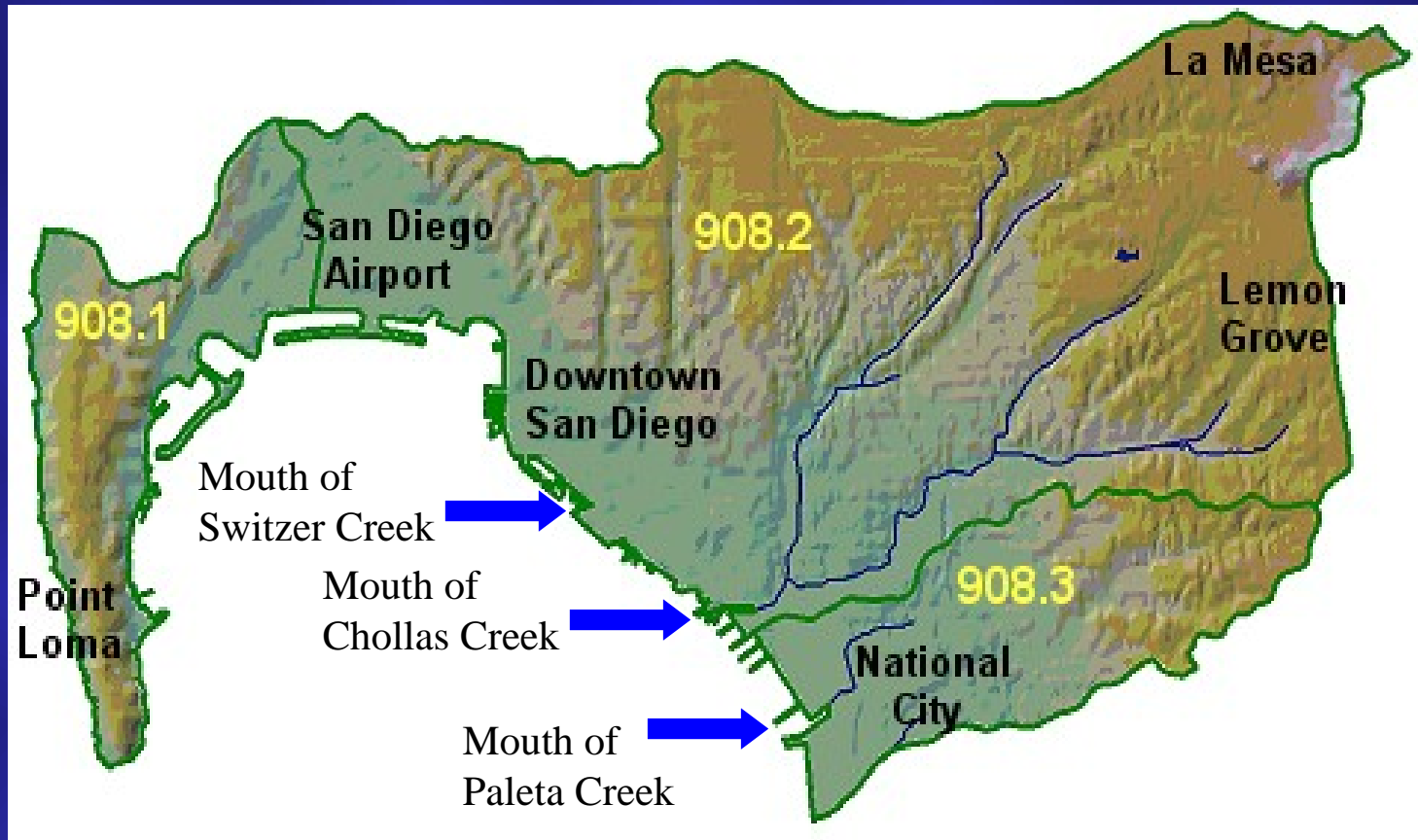
Mouth of Paleta
Creek



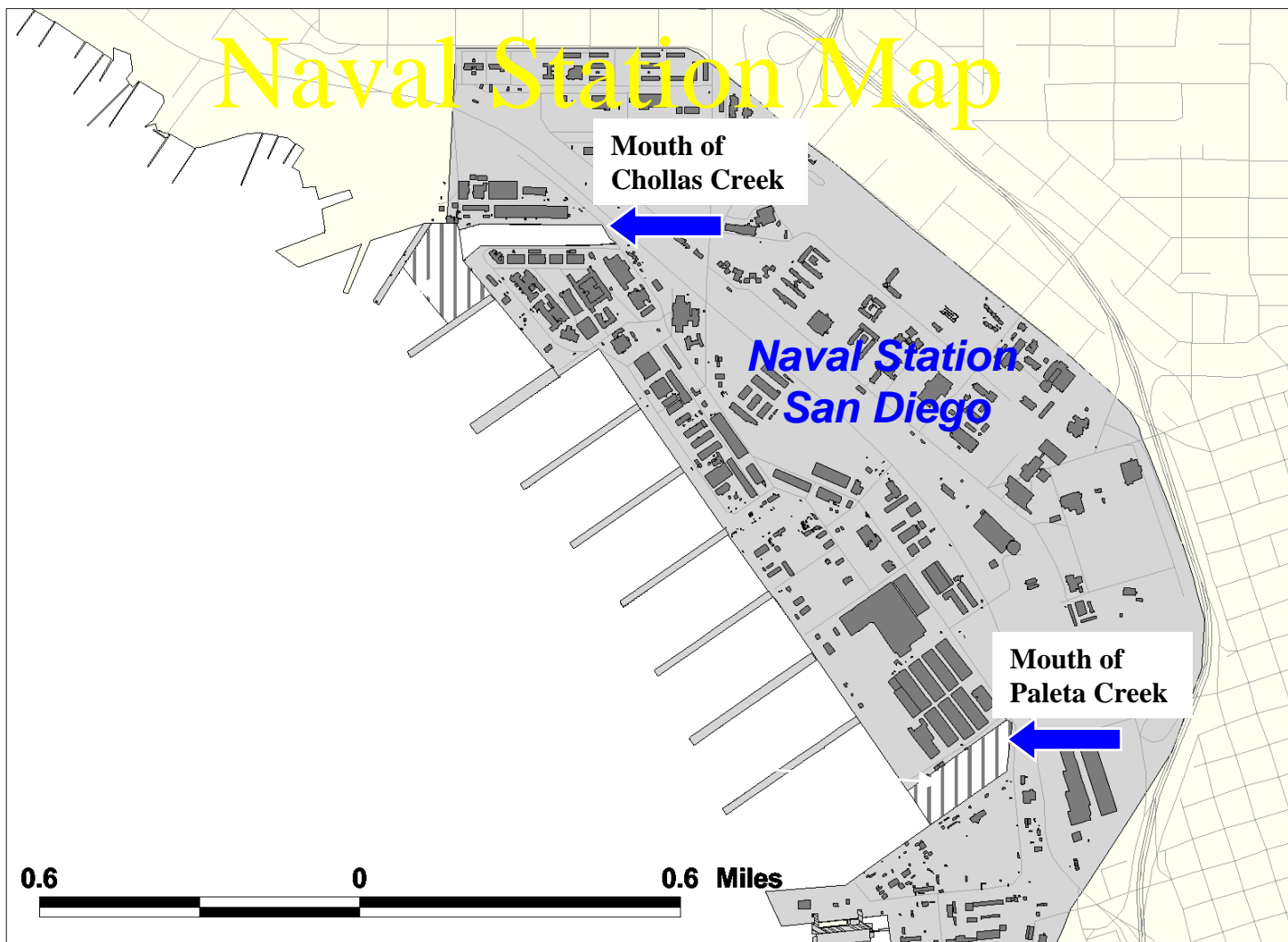
P A C I F I C



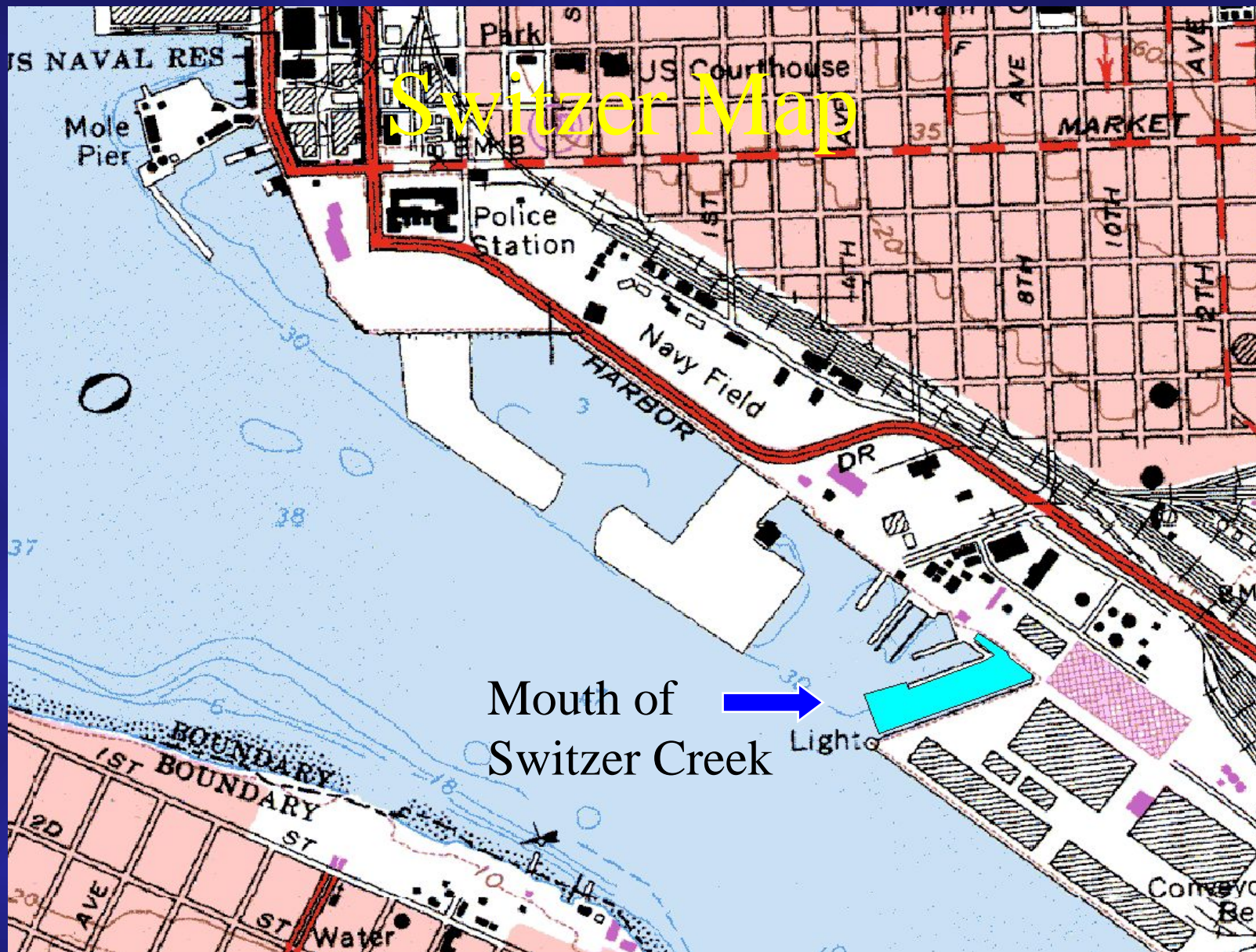
Pueblo San Diego Sub-watershed



Naval Station Map



Switzer Map



TMDL Background Information

- ◆ **Clean Water Act 303(d) List**
- ◆ **1996 Bay Protection and Toxic Cleanup Program**
- ◆ **Mouth of Chollas Creek – Moderate Priority Toxic Hot Spot**
- ◆ **Mouth of Paleta Creek – High Priority Toxic Hot Spot**
- ◆ **Mouth of Switzer Creek – Moderate Priority Toxic Hot Spot**

BPTCP Results at Mouth of Chollas Creek

	Station 90006	Station 93212	Station 93213
ELEVATED CHEMISTRY			
> 4x ERM or > 5.9x PEL	x (chlordanes)	x (chlordanes)	x (chlordanes)
ERMQ > 0.85	x		x
PELQ > 1.29	x		x
TOXICITY			
Survival < 48%			
BENTHIC COMMUNITY			
0 = degraded site	x	x	x
1 = transitional site			
2 = undegraded site			
PRIORITY			
Low			
Moderate	x	x	x
High			

BPTCP Results at Mouth of Paleta Creek

	Station 90009	Station 93227	Station 93228
ELEVATED CHEMISTRY			
> 4x ERM or > 5.9x PEL	x (chlordanes, DDT)	x (chlordanes)	x (chlordanes)
ERMQ > 0.85			x
PELQ > 1.29			x
TOXICITY			
Survival < 48%	x ⁽¹⁾		x
BENTHIC COMMUNITY			
0 = degraded site	x	x	x
1 = transitional site			
2 = undegraded site			
PRIORITY			
Low			
Moderate		x	
High	x		x

(1) Repeat Toxicity - 11/10/92 and 8/17/93

BPTCP Results at Mouth of Switzer Creek

	Station 90017	Station 90039
ELEVATED CHEMISTRY		
> 4x ERM or > 5.9x PEL	x (PAHs)	x (chlordanes, DDT)
ERMQ > 0.85	x	x ¹
PELQ > 1.29	x	x ¹
TOXICITY		
Amphipod Survival <48%		x
BENTHIC COMMUNITY		
0 = degraded site	NA	NA, x ¹
1 = transitional site		
2 = undegraded site		
PRIORITY		
Low		
Moderate	x	x
High		

NA - not analyzed in BPTCP Final Report, September 1996.

¹ Station was resampled. Final Addendum Report, September 1998.